

CLAIMS

1. An adaptive array wireless communication apparatus having a plurality of antennas (ANT#1, ANT#2), comprising:

5 determining means (5) for determining reception levels of signals of a plurality of streams received by respective ones of said plurality of antennas;

display means (6) for displaying said determined reception levels of signals of said plurality of streams; and

10 reception level adjusting means manually operated by a user for adjusting the reception levels of signals of said plurality of streams.

2. An adaptive array wireless communication apparatus having a plurality of antennas (ANT#1, ANT#2), comprising:

15 determining means (9) for determining reception levels of signals of a plurality of streams received by respective ones of said plurality of antennas;

reception level difference calculating means (9) for calculating a difference among said determined reception levels of signals of said plurality of streams; and

20 reception level adjusting means (8) for adjusting the reception levels of signals of said plurality of streams such that said calculated reception level difference decreases.

3. A method of displaying a reception level in an adaptive array wireless communication apparatus having a plurality of antennas (ANT#1, ANT#2), comprising the steps of:

25 determining reception levels of signals of a plurality of streams received by respective ones of said plurality of antennas; and

displaying said determined reception levels of signals of said plurality of streams.

4. A method of adjusting a reception level in an adaptive array wireless

communication apparatus having a plurality of antennas (ANT#1, ANT#2), comprising the steps of:

determining reception levels of signals of a plurality of streams received by respective ones of said plurality of antennas;

5 calculating a difference among said determined reception levels of signals of said plurality of streams; and

adjusting the reception levels of signals of said plurality of streams such that said calculated reception level difference decreases.

10 5. A reception level display program for an adaptive array wireless communication apparatus having a plurality of antennas (ANT#1, ANT#2), causing a computer to execute the steps of

determining reception levels of signals of a plurality of streams received by respective ones of said plurality of antennas; and

15 displaying said determined reception levels of signals of said plurality of streams.

6. The reception level display program according to claim 5, wherein in said display step, a numerical value indicating a reception level of each of the signals of said plurality of streams is displayed.

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7. The reception level display program according to claim 5, wherein in said display step, a difference value between each of the reception levels of the signals of the plurality of streams is displayed.

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8. The reception level display program according to claim 5, wherein in said display step, a degree of magnitude of a difference value between each of the reception levels of the signals of the plurality of streams is displayed.

9. The reception level display program according to claim 5, wherein
in said display step, any of said numerical value indicative of the reception level
of each of the signals of said plurality of streams, said difference value between each of
the reception levels and said degree of magnitude of the difference value can selectively
5 be displayed as display contents;

said program causing the computer to further execute the step of determining the
contents to be displayed in the display step, in accordance with prior designation by a
user.

10 10. The reception level display program according to claim 5, wherein
in said display step, any of said numerical value indicative of the reception level
of each of the signals of said plurality of streams, said difference value between each of
the reception levels and said degree of magnitude of the difference value can selectively
be displayed as display contents;

15 said program causing the computer to further execute the step of periodically
and successively switching the display contents to be displayed in said display step.

11. The reception level display program according to claim 5, causing the
computer to further execute the step of
20 automatically activating said determining step and said display step.

12. The reception level display program according to claim 5, causing the
computer to further execute the step of
activating said determining step and said display step in response to a user
25 instruction.

13. A reception level adjusting program in an adaptive array wireless
communication apparatus having a plurality of antennas (ANT#1, ANT#2), causing a

computer to execute the steps of

determining reception levels of signals of a plurality of streams received by
respective ones of said plurality of antennas,

calculating a difference value between each of said determined reception levels
5 of the signals of said plurality of streams, and

adjusting the reception levels of signals of said plurality of streams such that said
calculated reception level difference becomes smaller.

14. The reception level adjusting program according to claim 13, wherein
10 said reception level adjusting step includes the step of
changing an angle between each of said plurality of antennas such that the
reception level difference is not higher than a prescribed threshold value.

15. The reception level adjusting program according to claim 13, causing the
15 computer to further execute the step of
automatically activating said determining step and said display step.

16. The reception level adjusting program according to claim 13, causing the
computer to further execute the step of
20 activating said determining step and said display step in response to a user
instruction.